

Application No. 08/510,104 was in turn filed as a division of application No. 07/819,120

a1 cont. filed January 10, 1992, now U.S. Patent No. 5,437,278. This application is also a

continuation of application No. 08/892,955 filed July 16, 1997

now U.S. Pat. No. 6,022,632

IN THE CLAIMS:

Renumber the last claim from "40" to - 42--.

Add the following new claims:

- 20* 43. A medical scanning method comprising:
- providing a plurality of electromechanical sensors mounted to a carrier;
 - disposing said carrier in fixed relation to a patient;
 - 92* after the disposing of said carrier, activating said sensors to detect ultrasonic pressure waves encoding three-dimensional structural data pertaining to internal organic structures of the patient;
 - during the activating of said sensors and the collection of said data, maintaining said carrier in said fixed relation and said sensors in fixed positions relative to the patient;
 - and
 - operating on the data from said sensors to produce an electronically encoded three-dimensional model of said internal organic structures.

21 44. The method defined in claim *20* 43 wherein said three dimensional model is produced from said data alone.

27 45. The method defined in claim *20* 43, further comprising generating an image of at least one of said internal structures from said model.